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(FILE 'USPAT' ENTERED AT 14:46:30 ON 23 JUN 1999)
L1      1023 S VIRTUAL()REALITY
L2      241 S ABSTRACT() (DATA OR INFORMATION)
L3      250 S WIDGET#
L4      QUE MATHEMATICAL()FORMULA# OR POLYGON#
L5      10 S L1 AND L2
L6      9 S L1 AND L3
L7      QUE MEDICAL OR SURG?
L8      14171 S SPORTS
L9      9031 S DEFENSE OR DEFENCE
L10     124 S L1 AND L4
L11     37 S L10 AND (L7 OR L8 OR L9)
L12     33 S L11 NOT L5
L13     33 S L12 NOT L6
L14     28 S L1 AND L9
L15     26 S L14 NOT L5
L16     26 S L15 NOT L6
L17     22 S L16 NOT L11

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=> d 113 1-

1. 5,907,395, May 25, 1999, Optical fiber probe for position measurement; Waldean A. Schulz, et al., 356/139.03, 141.5, 375; 600/476; 606/130 [IMAGE AVAILABLE]
2. 5,898,435, Apr. 27, 1999, Image controlling device and image controlling method; Junichi Nagahara, et al., 345/352, 339, 353, 355, 977 [IMAGE AVAILABLE]
3. 5,884,239, Mar. 16, 1999, Optical system for accurate monitoring of the position and orientation of an object; Carl J. Romanik, Jr., 702/150; 345/158; 356/375; 702/153 [IMAGE AVAILABLE]
4. 5,877,778, Mar. 2, 1999, Method and system to generate a complicated computer animation by using a combination of basic motion units; Douglas Eric Dow, et al., 345/474 [IMAGE AVAILABLE]
5. 5,852,672, Dec. 22, 1998, Image system for three dimensional, 360 DEGREE, time sequence surface mapping of moving objects; Shin-Yee Lu, 382/154; 356/376; 382/254 [IMAGE AVAILABLE]
6. 5,850,229, Dec. 15, 1998, Apparatus and method for geometric morphing; Herbert Edelsbrunner, et al., 345/473, 423, 425, 953, 955; 382/276 [IMAGE AVAILABLE]
7. 5,844,824, Dec. 1, 1998, Hands-free, portable computer and system; Edward G. Newman, et al., 364/708.1; 708/141 [IMAGE AVAILABLE]
8. 5,841,441, Nov. 24, 1998, High-speed three-dimensional texture mapping systems and methods; David A. Smith, 345/430 [IMAGE AVAILABLE]
9. 5,840,024, Nov. 24, 1998, Endoscope form detecting apparatus in which coil is fixedly mounted by insulating member so that form is not deformed

within endoscope; Aki Taniguchi, et al., 600/424 [IMAGE AVAILABLE]

10. 5,821,933, Oct. 13, 1998, Visual access to restricted functions represented on a graphical user interface; Neal Martin Keller, et al., 345/348, 327, 332; 707/9 [IMAGE AVAILABLE]

11. 5,809,322, Sep. 15, 1998, Apparatus and method for signal processing; Avidan Akerib, 712/14; 710/33; 712/19 [IMAGE AVAILABLE]

12. 5,805,140, Sep. 8, 1998, High bandwidth force feedback interface using voice coils and flexures; Louis B. Rosenberg, et al., 345/161, 156 [IMAGE AVAILABLE]

13. 5,802,220, Sep. 1, 1998, Apparatus and method for tracking facial motion through a sequence of images; Michael J. Black, et al., 382/276, 100, 293 [IMAGE AVAILABLE]

14. 5,782,762, Jul. 21, 1998, Method and system for producing interactive, three-dimensional renderings of selected body organs having hollow lumens to enable simulated movement through the lumen; David J. Vining, 600/407; 128/920; 345/419, 420; 382/131 [IMAGE AVAILABLE]

15. 5,781,704, Jul. 14, 1998, Expert system method of performing crime site analysis; Darcy Kim Rossmo, 706/45; 705/1; 706/50 [IMAGE AVAILABLE]

16. 5,774,591, Jun. 30, 1998, Apparatus and method for recognizing facial expressions and facial gestures in a sequence of images; Michael J. Black, et al., 382/236, 118 [IMAGE AVAILABLE]

17. 5,769,640, Jun. 23, 1998, Method and system for simulating **medical** procedures including **virtual reality** and control method and system for use therein; Charles J. Jacobus, et al., 434/262, 272 [IMAGE AVAILABLE]

18. 5,768,415, Jun. 16, 1998, Apparatus and methods for performing electronic scene analysis and enhancement; Hosagrahar Visvesvaraya Jagadish, et al., 382/154; 345/419; 348/578 [IMAGE AVAILABLE]

19. 5,767,839, Jun. 16, 1998, Method and apparatus for providing passive force feedback to human-computer interface systems; Louis B. Rosenberg, 345/161, 156, 157 [IMAGE AVAILABLE]

20. 5,759,044, Jun. 2, 1998, Methods and apparatus for generating and processing synthetic and absolute real time environments; Scott Redmond, 434/307R; 340/825.06; 348/383; 434/365 [IMAGE AVAILABLE]

21. 5,748,199, May 5, 1998, Method and apparatus for converting a two dimensional motion picture into a three dimensional motion picture; Charles S. Palm, 345/473, 419, 433; 352/50 [IMAGE AVAILABLE]

22. 5,731,804, Mar. 24, 1998, Method and apparatus for providing high bandwidth, low noise mechanical I/O for computer systems; Louis B. Rosenberg, 345/156, 161 [IMAGE AVAILABLE]

23. 5,729,475, Mar. 17, 1998, Optical system for accurate monitoring of the position and orientation of an object; Carl J. Romanik, Jr., 702/150; 345/158; 356/375; 702/153 [IMAGE AVAILABLE]

24. 5,704,837, Jan. 6, 1998, Video game steering system causing translation, rotation and curvilinear motion on the object; Goro Iwasaki, et al., 463/38, 2, 50 [IMAGE AVAILABLE]

25. 5,659,493, Aug. 19, 1997, Virtual machining techniques for modifying

Set	Items	Description
S1	33284	VIRTUAL()REALITY
S2	12965	S1 NOT PD>950930
S3	1755	S2 NOT PD>920930
S4	292	PAUL()MARSHALL
S5	1747	S3 NOT S4
S6	254	S5 AND (STOCK? ? OR BOND? ? OR EQUITIES OR SECURITIES OR D- ERIVATIVE? ? OR OPTION? ? OR TRADING OR TRADERS)
S7	43	(TRADING OR TRADERS) AND S6
S8	31	RD S7 (unique items)

? t s8/6,ti,pd/1-end

>>>'END' not recognized as item list
? t s8/6,ti,pd/all

8/6,TI,PD/1 (Item 1 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00727230 93-76451
The Information Technology Revolution
Jul/Aug 1992

8/6,TI,PD/2 (Item 2 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00725539 93-74760
Virtual Reality on the **Trading Desk**
Feb 1992

8/6,TI,PD/3 (Item 3 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00725221 93-74442
The Shape of Things to Come
Apr 1992

8/6,TI,PD/4 (Item 4 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00636031 92-50971
The Dos and Don'ts of DISE
Sep 1992

8/6,TI,PD/5 (Item 5 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00633578 92-48518
Dialog's Finder Files: What Will You Find? What Will You Miss?

Sep 1992

8/6, TI, PD/6 (Item 6 from file: 15)
DIALOG(R)File 15:(c) 1999 UMI. All rts. reserv.

00536609
The World of **Virtual Reality**
Feb 1991

91-10953

8/6, TI, PD/7 (Item 1 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

04090769
\$11 million IMAX complex set for Sydney
September 28, 1992
WORD COUNT: 229

8/6, TI, PD/8 (Item 2 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

04022789
Japan: Sumitomo To Sell **Virtual Reality** Game Machine 09/10/92
September 10, 1992
WORD COUNT: 252

8/6, TI, PD/9 (Item 3 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03714905
VIRTUAL REALITY
March 13, 1992
WORD COUNT: 653

8/6, TI, PD/10 (Item 4 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03621992
Japan: Sega Opening Futuristic Game Park 02/17/92
February 17, 1992
WORD COUNT: 192

8/6, TI, PD/11 (Item 5 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

03266097
MICO Forms Ties with US **Virtual Reality** Equipment Maker
July 23, 1991
WORD COUNT: 142

8/6, TI, PD/12 (Item 6 from file: 16)
DIALOG(R)File 16:(c) 1999 The Gale Group. All rts. reserv.

02667068
AUTODESK: A SUCCESS STORY
July 23, 1990
WORD COUNT: 1421

8/6, TI, PD/13 (Item 1 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

06106256 SUPPLIER NUMBER: 12513646 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Minigrams.
August 5, 1992
WORD COUNT: 2471 LINE COUNT: 00212

8/6, TI, PD/14 (Item 2 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

06103751 SUPPLIER NUMBER: 12531857 (USE FORMAT 7 OR 9 FOR FULL TEXT)
VSDA convention-goers look to the future of video. (1992 Video Software
Dealers Association annual convention) (Video Sell-Through)
July 20, 1992
WORD COUNT: 2469 LINE COUNT: 00201

8/6, TI, PD/15 (Item 3 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

05929181 SUPPLIER NUMBER: 11838805 (USE FORMAT 7 OR 9 FOR FULL TEXT)
What's ahead in hospitality design.
Jan, 1992
WORD COUNT: 1985 LINE COUNT: 00170

8/6, TI, PD/16 (Item 4 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

05844700 SUPPLIER NUMBER: 12141655 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reality check. (**stock** price recovery of computer software company
Autodesk Inc.) (Follow-Through) (Brief Article)
April 27, 1992
WORD COUNT: 132 LINE COUNT: 00009

8/6, TI, PD/17 (Item 5 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

05834933 SUPPLIER NUMBER: 11871472 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1991: The year in review. (Editorial)
Jan, 1992
WORD COUNT: 2790 LINE COUNT: 00226

8/6, TI, PD/18 (Item 6 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

05831646 SUPPLIER NUMBER: 12103131 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Summer 1992 hardcovers. (New Books for Summer 1992) (tabular information
only)
March 30, 1992
WORD COUNT: 23989 LINE COUNT: 02013

8/6, TI, PD/19 (Item 7 from file: 148)
DIALOG(R) File 148: (c) 1999 The Gale Group. All rts. reserv.

05822752 SUPPLIER NUMBER: 12070699 (USE FORMAT 7 OR 9 FOR FULL TEXT)

High-tech talk. (electronic data processing in banking)
March-April, 1992
WORD COUNT: 1543 LINE COUNT: 00124

8/6,TI,PD/20 (Item 8 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05521280 SUPPLIER NUMBER: 11510388 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Fast money. (Special Report on **trading** systems) (includes a related
article on financial software for **stock traders**)
Oct 17, 1991
WORD COUNT: 2020 LINE COUNT: 00163

8/6,TI,PD/21 (Item 9 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05518402 SUPPLIER NUMBER: 11466662 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The online games people play. (The World of Electronic Games)
Nov, 1991
WORD COUNT: 2311 LINE COUNT: 00173

8/6,TI,PD/22 (Item 10 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

05494497 SUPPLIER NUMBER: 11459315 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Making sense of the information age. (key to understanding in development
of multilmedia, **virtual reality** and data visualization)
Sept 5, 1991
WORD COUNT: 2161 LINE COUNT: 00174

8/6,TI,PD/23 (Item 11 from file: 148)
DIALOG(R)File 148:(c) 1999 The Gale Group. All rts. reserv.

02970149 SUPPLIER NUMBER: 04369813 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New man, new times; American Business Conference taps Bill Lilly.
Sept 15, 1986
WORD COUNT: 807 LINE COUNT: 00064

8/6,TI,PD/24 (Item 1 from file: 485)
DIALOG(R)File 485:(c) 1999 UMI. All rts. reserv.

00368210
Multimedia: The Impact on the Accounting Profession
Summer 1992
WORD COUNT: 2228 LINE COUNT: 203

8/6,TI,PD/25 (Item 2 from file: 485)
DIALOG(R)File 485:(c) 1999 UMI. All rts. reserv.

00357639
IT - The Road Ahead
Jun 1992
WORD COUNT: 1132 LINE COUNT: 103

8/6,TI,PD/26 (Item 1 from file: 635)
DIALOG(R)File 635:(c) 1999 UMI. All rts. reserv.

0325285 92-74406
The Business of Games
PUBL DATE: 920911

8/6,TI,PD/27 (Item 2 from file: 635)
DIALOG(R)File 635:(c) 1999 UMI. All rts. reserv.

0317712 92-65584
Virtual Reality': Sci-Fi Technology on Verge of Billion-Dollar
Boom
PUBL DATE: 920816

8/6,TI,PD/28 (Item 3 from file: 635)
DIALOG(R)File 635:(c) 1999 UMI. All rts. reserv.

0259455 92-05729
It's a Big Game: Sega's Genesis Takes on Nintendo for Yule Sales
PUBL DATE: 911219

8/6,TI,PD/29 (Item 4 from file: 635)
DIALOG(R)File 635:(c) 1999 UMI. All rts. reserv.

0148258 90-31297
Warp Speed Into Cyberspace: UW Lab Hopes to Go Where No One Has Ever Gone
Before
PUBL DATE: 900618

8/6,TI,PD/30 (Item 1 from file: 636)
DIALOG(R)File 636:(c) 1999 The Gale Group. All rts. reserv.

01709300
Ed. on EDI and the Hyperworld
July 00, 1992
WORD COUNT: 604

8/6,TI,PD/31 (Item 2 from file: 636)
DIALOG(R)File 636:(c) 1999 The Gale Group. All rts. reserv.

01376427
FINANCIAL APPLICATIONS OF **VIRTUAL REALITY**
January 00, 1992
WORD COUNT: 2326